

## EAST Search History

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| L1    | 3176630 | (stopper or plug or plug\$4 or clos\$4) and (projection or flange or shelf or lip or ring or step or stepp\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/17 14:34 |
| L2    | 29911   | 1 and (weld\$4 or filler or solder\$4 or braz\$4) near (insert or ring or washer or strip or tape or foil or wire)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/17 14:55 |
| L3    | 158     | 2 and ((weld\$4 or filler or solder\$4 or braz\$4) near (insert or ring or washer or strip or tape or foil or wire)) near (stopper or plug or cap)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/17 14:50 |
| L4    | 47      | ((("3310869") or ("5360158") or ("2157918") or ("3291962") or ("3496629") or ("3871063") or ("2092692") or ("5617992") or ("6543675") or ("4529034") or ("6604669") or ("1889974") or ("2959844")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/17 14:33 |
| L5    | 13      | 4 and (stopp\$4 or plug\$4 or clos\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/17 14:49 |
| L6    | 12      | 5 and (stopper or plug or plug\$4 or clos\$4) and (projection or flange or shelf or lip or ring or step or stepp\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/17 14:34 |
| L7    | 26      | 4 and (tube or tubing or tubular or tub\$4 or pipe or piping)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/09/17 14:48 |

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|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| L8  | 16    | 7 and ((weld\$4 or filler or solder\$4 or braz\$4) near (insert or ring or washer or strip or tape or foil or wire))                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/17 14:35 |
| L9  | 8     | 6 and 7 and 8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/17 14:43 |
| L10 | 8     | 8 not 9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/17 14:43 |
| L11 | 5874  | (228/4.1,5.7,44.3-44.7,47.1,49.1-49.4,56.3,194,195,245,246,250,253).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/17 14:46 |
| L12 | 35    | 11 and (tube or tubing or tubular or tub\$4 or pipe or piping) near (header or manifold)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/17 14:49 |
| L13 | 22    | 12 and (stopp\$4 or plug\$4 or clos\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/17 14:57 |
| L14 | 0     | 13 and ((weld\$4 or filler or solder\$4 or braz\$4) near (insert or ring or washer or strip or tape or foil or wire)) near (stopper or plug or cap) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/17 14:58 |
| L15 | 66430 | (weld\$4 or filler or solder\$4 or braz\$4) near (tube or tubing or tubular or tub\$4 or pipe or piping or header or manifold)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/17 14:51 |

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|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| L16 | 66430 | (11 or 15) and (weld\$4 or filler or solder\$4 or braz\$4) near (tube or tubing or tubular or tub\$4 or pipe or piping or header or manifold) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:52 |
| L17 | 63850 | (11 or 15) and (weld\$4 or filler or solder\$4 or braz\$4) near (tube or tubing or tubular or tub\$4 or pipe or piping)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:51 |
| L18 | 18143 | 17 and (wall or inner or interior or internal or inside) near (tube or tubing or tubular or tub\$4 or pipe or piping or header or manifold)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:54 |
| L19 | 9565  | 18 and wall near (tube or tubing or tubular or tub\$4 or pipe or piping or header or manifold)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:53 |
| L21 | 345   | 19 and (wall or inner or interior or internal or inside or lateral) near (filler or solder\$4 or braz\$4)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:54 |
| L22 | 73    | 21 and (oven or furnace)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:55 |
| L23 | 63    | 21 and (weld\$4 or filler or solder\$4 or braz\$4) near (insert or ring or washer or strip or tape or foil or wire)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:55 |
| L24 | 5     | 23 and fold\$4 near (insert or ring or washer or strip or tape or foil or wire)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:55 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| L25 | 29  | 23 and (weld\$4 or filler or solder\$4 or braz\$4 or insert or strip or tape or foil or wire) near (ring or washer or circle or circular or round or folded or coil or coiled or coiling or bend\$4 or bent) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:55 |
| L26 | 36  | 21 and (weld\$4 or filler or solder\$4 or braz\$4 or weld or solder or braze) near (paste or cream or coat\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:56 |
| L27 | 57  | 21 and (tube or tubing or tubular or tub\$4 or pipe or piping) near (shape or taper or taper\$4 or profil\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:57 |
| L28 | 0   | 21 and refashion\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:57 |
| L29 | 282 | 21 and (stopp\$4 or plug\$4 or clos\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:57 |
| L30 | 1   | 29 and ((weld\$4 or filler or solder\$4 or braz\$4) near (insert or ring or washer or strip or tape or foil or wire)) near (stopper or plug or cap)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/17 14:58 |